

# Comparisons of Job Characteristics

**Focus Occupation:** [Farmers and Ranchers \(11-9012\)](#)

**Associated Occupation:** [Farm, Ranch, and Other Agricultural Managers \(11-9011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

**Focus Occupation:** Farmers and Ranchers (11-9012)

**Associated Occupation:** Farm, Ranch, and Other Agricultural Managers (11-9011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Biology	3.7	15.2	10.0	<<	Extensive education and/or training may be required
Administration and Management	8.4	15.0	11.9	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	13.1	9.7	<<	Extensive education and/or training may be required
Production and Processing	6.0	13.0	9.8	<<	Extensive education and/or training may be required
Food Production	2.1	12.9	13.6	0	Current knowledge level may be sufficient
Economics and Accounting	4.4	11.9	9.8	<	Expanded education and/or training may be required
Chemistry	4.8	11.4	7.2	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	11.2	7.6	<<	Extensive education and/or training may be required
Transportation	4.6	8.6	7.5	<	Expanded education and/or training may be required
Geography	3.9	8.3	5.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 15

**Focus Occupation:** Farmers and Ranchers (11-9012)

**Associated Occupation:** Farm, Ranch, and Other Agricultural Managers (11-9011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
---	---------------------------------	--------------------------------	---------------------------	--------------------------------	--

Monitoring	9.9	11.8	11.4	0	Current skill level may be sufficient
Management of Personnel Resources	6.9	11.6	8.4	<<	Extensive development of skills in this area may be required
Time Management	8.9	11.2	8.7	<	A higher skill level may be required
Negotiation	6.8	9.8	7.9	<	A higher skill level may be required
Management of Financial Resources	3.3	8.1	6.7	<	A higher skill level may be required
Management of Material Resources	3.7	7.9	6.7	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 55			
Focus Occupation: Farmers and Ranchers (11-9012)					
Associated Occupation: Farm, Ranch, and Other Agricultural Managers (11-9011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	14.3	9.5	<<	Extensive improvement in abilities may be required
Oral Comprehension	12.5	14.2	9.8	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	12.9	12.9	0	Current ability level may be sufficient
Written Expression	9.8	12.4	7.5	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	10.1	11.4	>	Current ability level is likely sufficient
Fluency of Ideas	7.6	9.2	8.3	<	Some improvement in abilities may be required
Originality	7.6	9.2	7.7	<	Some improvement in abilities may be required
Number Facility	6.3	8.5	7.8	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
<b>Focus Occupation: Farmers and Ranchers (11-9012)</b> <b>Associated Occupation: Farm, Ranch, and Other Agricultural Managers (11-9011)</b>		
Work Activities	Exclusivity of Activity	
Assign work to staff or employees	30	
Direct and coordinate activities of workers or staff	3	
Direct workers in planting, irrigating, cultivating, harvesting, or marketing	92	
Evaluate performance of employees or contract personnel	54	
Hire, discharge, transfer, or promote workers	47	

Identify crop characteristics	75
Identify fruit or vegetable or crops ready for harvest	87
Inspect crops or fields	87
Inspect crops to determine quality	89
Inspect growing environment	95
Judge soil conditions	77
Maintain or repair farm vehicles, machinery, or mechanical implements	81
Maintain records, reports, or files	5
Monitor number or type of fish reared or harvested	95
Negotiate business contracts	60
Observe fish or beds or ponds	95
Observe plants, flowers, shrubs or trees to ascertain condition	87
Order or purchase supplies, materials, or equipment	35
Orient new employees	59
Oversee execution of organizational or program policies	49
Perform safety inspections in agricultural, forestry, or fishing setting	77
Plan development or production of hybrid plant varieties	95
Plant, cultivate, or harvest crops, including aquaculture	80
Prepare reports	8
Recognize plant diseases	72
Resolve agricultural production problems	84
Use fish culturing techniques	89

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 94

**Focus Occupation: Farmers and Ranchers (11-9012)**

**Associated Occupation: Farm, Ranch, and Other Agricultural Managers (11-9011)**

Tools and Technologies	Exclusivity
Agricultural machinery for harvesting	35
Agricultural machinery for planting and seeding	33
Agricultural machinery for soil preparation	35
Audio and visual equipment	4
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Dispersing and spraying appliances for agriculture	26
Earth moving machinery	11
Finance accounting and enterprise resource planning ERP software	2
Forming tools	2
Garden tools	12
Heavy equipment components	21

Industry specific software	1
Information exchange software	1
Network applications software	1
Poultry and livestock equipment	33
Power tools	2
Product and material transport vehicles	13
Soldering and brazing and welding machinery and supplies	6
Specialized and recreational vehicles	17
Veterinary equipment	40

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.